FIG. 1

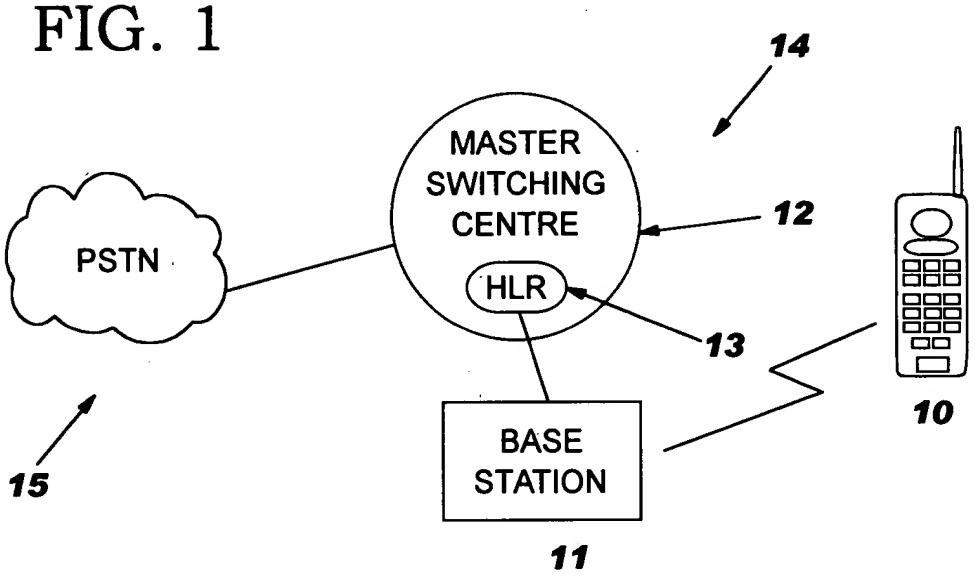

14
MASTER
SWITCHING
CENTRE
12
PSTN
HLR
13
10
BASE
STATION
11
15

FIG. 2

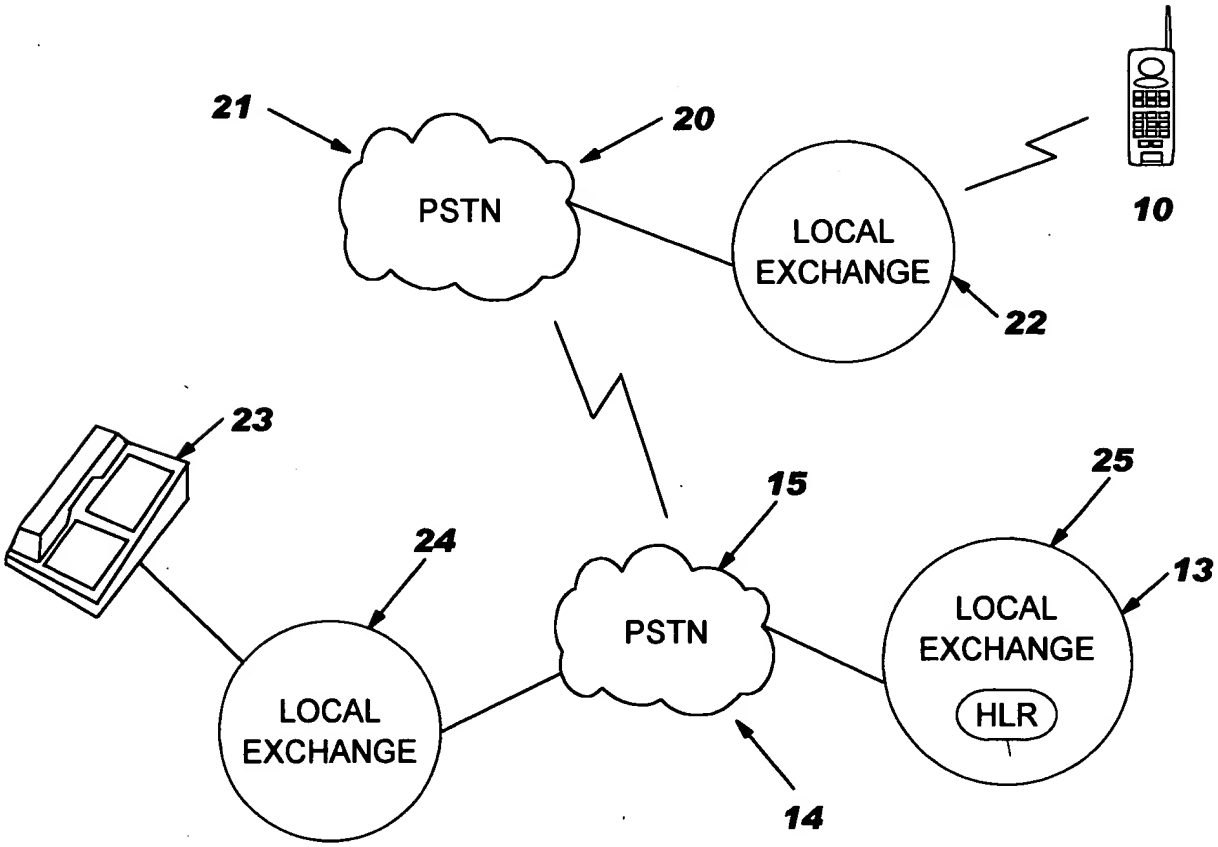

21
20
PSTN
LOCAL
EXCHANGE
10
22
23
25
15
24
13
PSTN
LOCAL
EXCHANGE
LOCAL
EXCHANGE
HLR
14

FIG. 3

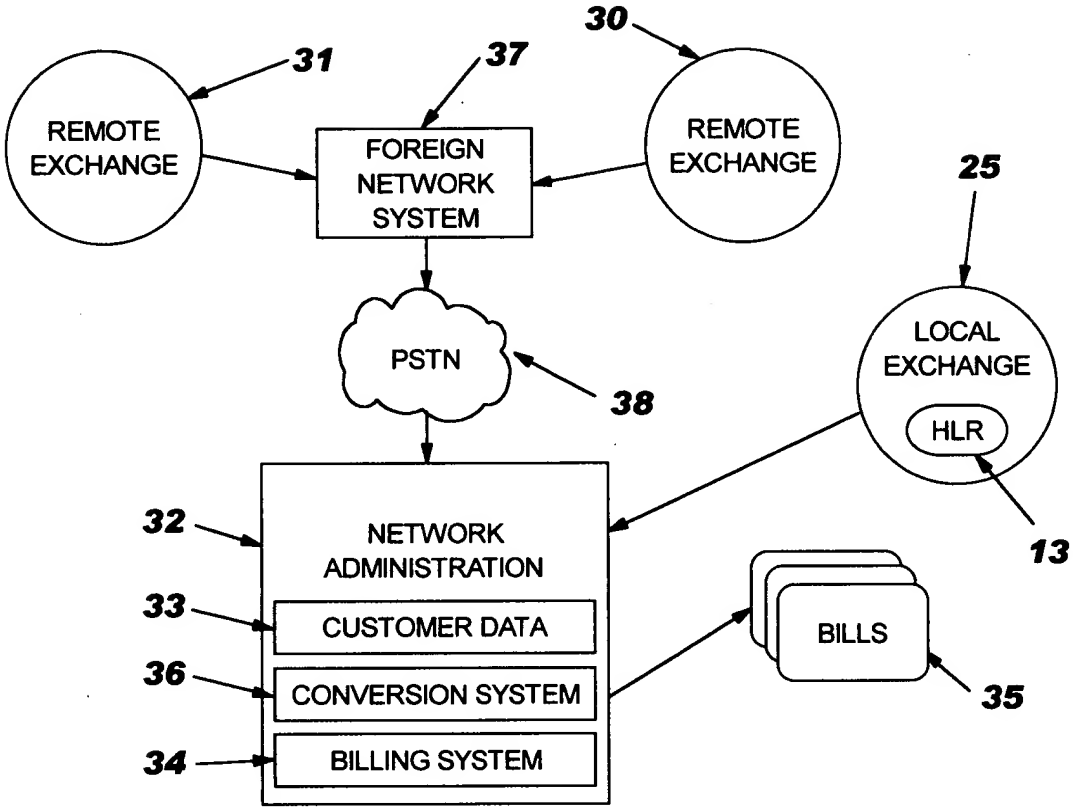

30
31
37
REMOTE EXCHANGE
FOREIGN NETWORK SYSTEM
REMOTE EXCHANGE
25
PSTN
38
LOCAL EXCHANGE
HLR
13
32
NETWORK ADMINISTRATION
33
CUSTOMER DATA
36
CONVERSION SYSTEM
34
BILLING SYSTEM
BILLS
35

FIG. 4

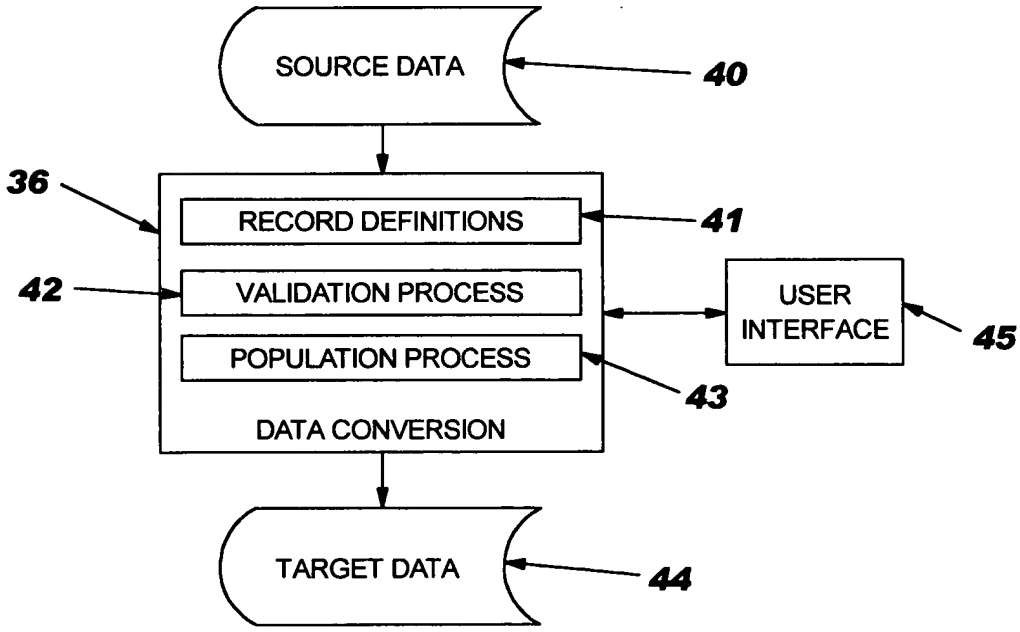

SOURCE DATA
40
36
RECORD DEFINITIONS
41
42
VALIDATION PROCESS
USER INTERFACE
45
POPULATION PROCESS
43
DATA CONVERSION
TARGET DATA
44

FIG. 5

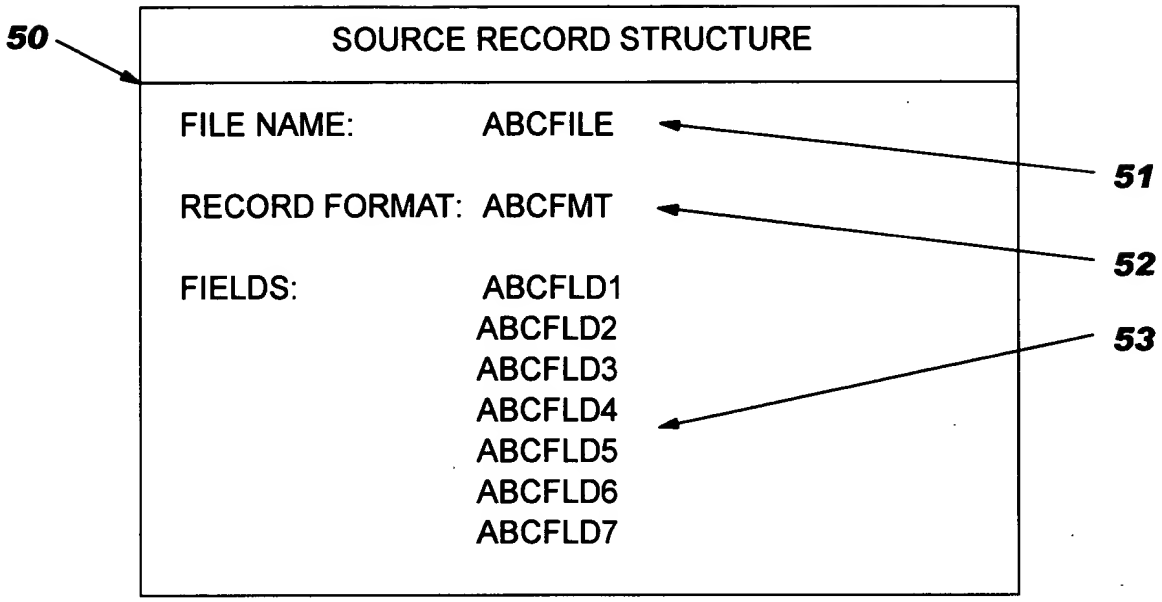

50
SOURCE RECORD STRUCTURE
FILE NAME: ABCFILE
RECORD FORMAT: ABCFMT
FIELDS: ABCFLD1
ABCFLD2
ABCFLD3
ABCFLD4
ABCFLD5
ABCFLD6
ABCFLD7
51
52
53

FIG. 6

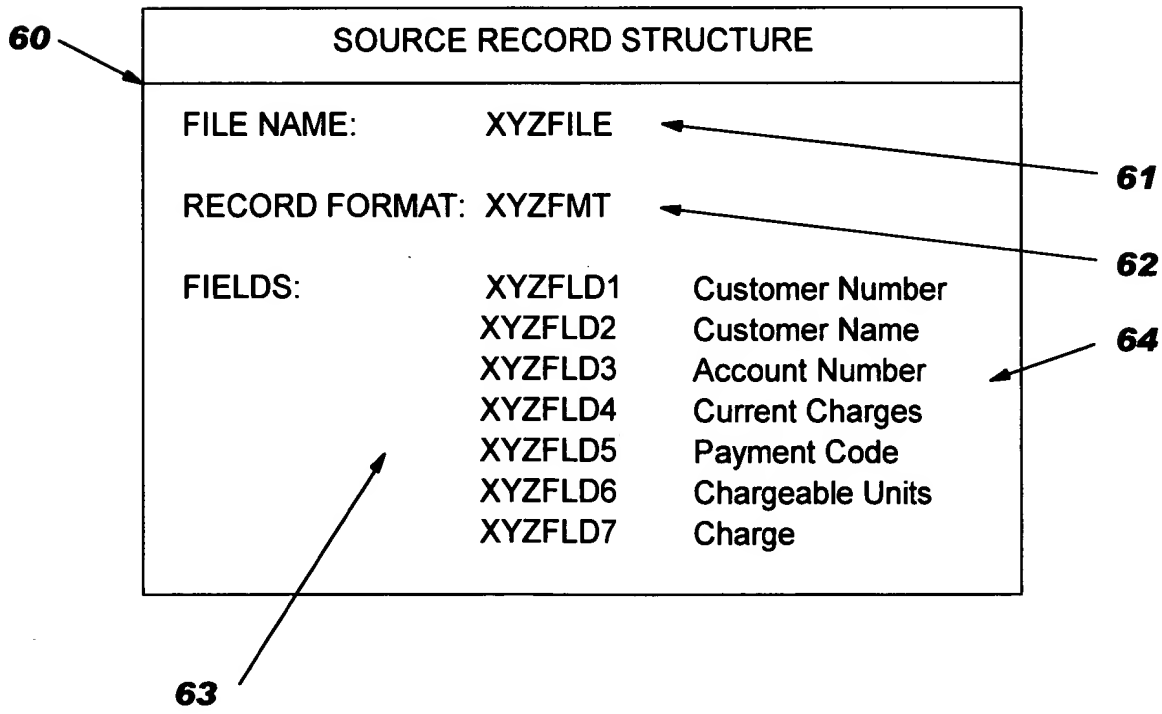

60
SOURCE RECORD STRUCTURE
FILE NAME: XYZFILE
RECORD FORMAT: XYZFMT
FIELDS: XYZFLD1 Customer Number
XYZFLD2 Customer Name
XYZFLD3 Account Number
XYZFLD4 Current Charges
XYZFLD5 Payment Code
XYZFLD6 Chargeable Units
XYZFLD7 Charge
61
62
63
64

FIG. 7a

70

VALIDATION RULES

COMPARE WITH A RANGE
CHECK FORMAT EG. DATE
CHECK FOR BLANK
CHECK FOR ZERO
RUN INTERNAL ROUTINE
RUN EXTERNAL ROUTINE

FIG. 8a

80

POPULATION RULES

DEFAULT VALUE
CHANGING SYSTEM VALUE
SOURCE FILE FIELD
VALUE FROM INTERNAL ROUTINE
VALUE FROM EXTERNAL ROUTINE
VALUE BY CONVERSION OF INPUT
MINIMUM OF RELATED FIELDS
MAXIMUM OF RELATED FIELDS
TOTAL VALUE OF RELATED FIELDS
UNIQUE VALUE
SUMMATION OF FIELDS

FIG. 7b

71 VALIDATION RULE

72 METHOD

73 DATA

74 TAG V1
SOURCE FIELD: ABCFLD X1

75 TAG V2
SOURCE FIELD: ABCFLD X2
SOURCE FIELD: ABCFLD X3

⋮

76 TAG VN
SOURCE FIELD: ABCFLD XN

FIG. 8b

POPULATION RULE 81

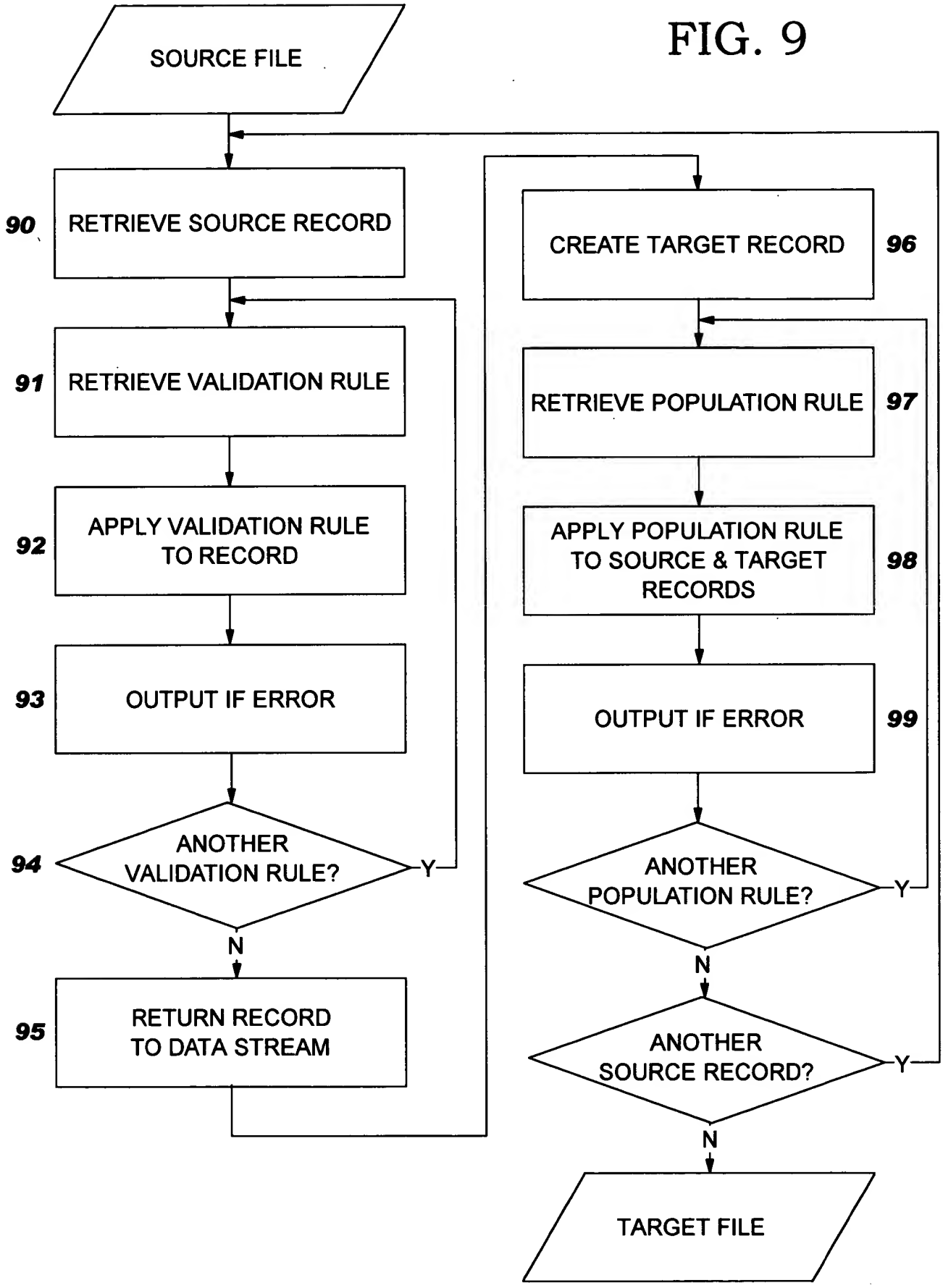
METHOD 82

DATA 83

84	TAG PS1 SOURCE FIELD: ABCFLD Y1	TAG PT1 TARGET FIELD: XYZFLD Z1 87
85	TAG PS2 SOURCE FIELD: ABCFLD Y2	TAG PT2 TARGET FIELD: ABCFLD Z2 88
	⋮	⋮
86	TAG PSN' SOURCE FIELD: ABCFLD YN'	TAG PTN" TARGET FIELD: ABCFLD ZN" 89

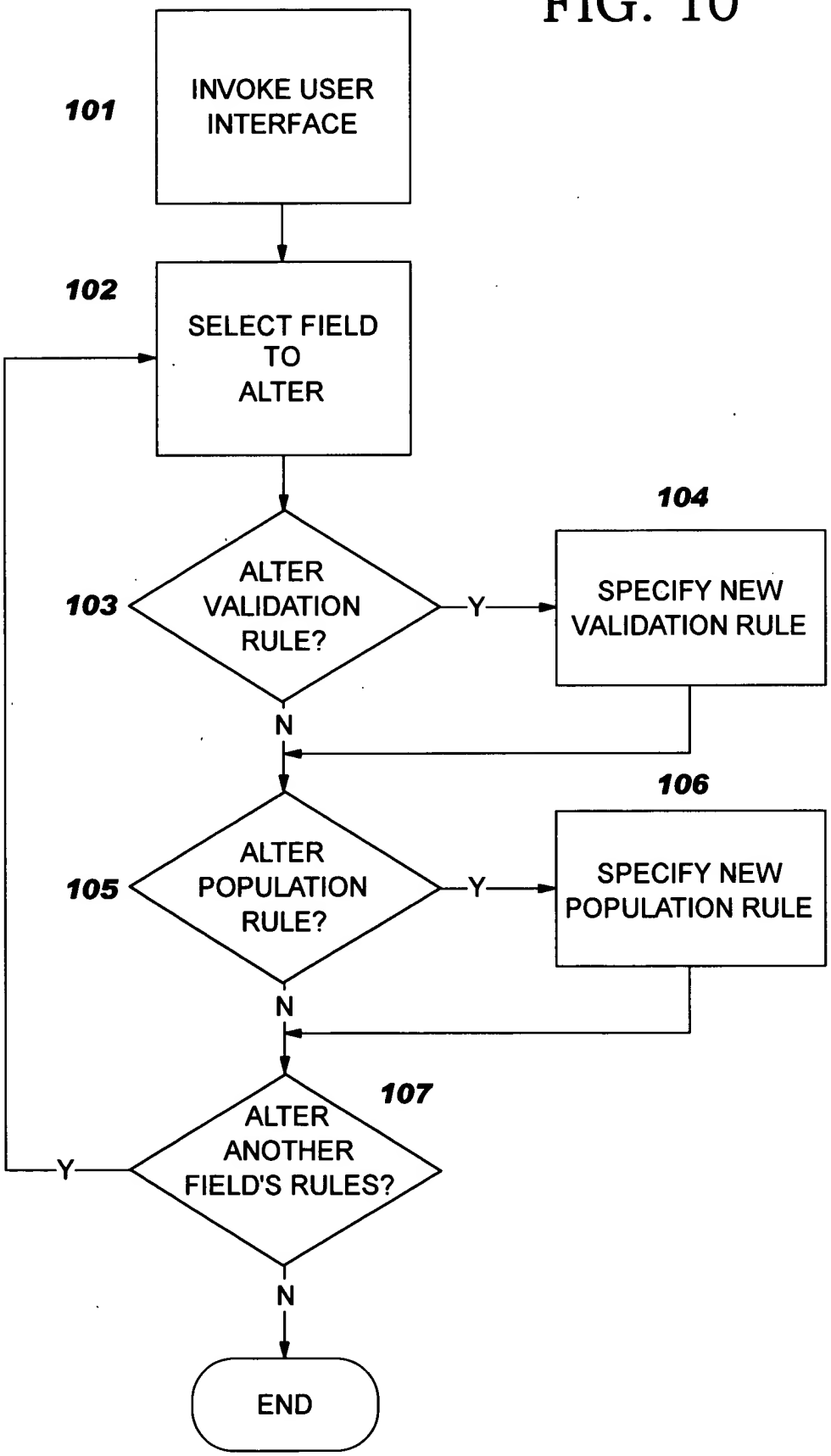
FOYZ60 B65938650

FIG. 9



FOR 2000-0259-US

FIG. 10


101
INVOKE USER INTERFACE
102
SELECT FIELD TO ALTER
103
ALTER VALIDATION RULE?
Y
104
SPECIFY NEW VALIDATION RULE
N
105
ALTER POPULATION RULE?
Y
106
SPECIFY NEW POPULATION RULE
N
107
ALTER ANOTHER FIELD'S RULES?
Y
N
END